

IN THE CLAIMS

1. (Canceled)

2. (Currently Amended) The ~~ink-jet printer head~~ method according to claim + 18, wherein one of the two first positioning holes ~~of the nozzle sheet of said each ejector unit~~ is a circular hole, and the other first positioning hole is an elongate hole having a width substantially equal to a diameter of the one of the two first positioning holes, and wherein one of the two second positioning holes ~~of the nozzle sheet of said each ejector unit~~ is a circular hole and the other second positioning hole is an elongate hole having a width substantially equal to a diameter of the one of the two second positioning holes.

3. (Currently Amended) The ~~ink-jet printer head~~ method according to claim + 19, wherein each of the first and second blind holes ~~of the channel unit of said each ejector unit~~ has a cross section greater than a cross section of a corresponding one of the first and second positioning holes ~~of the nozzle sheet of said each ejector unit~~.

4. (Currently Amended) The ~~ink-jet printer head~~ method according to claim + 14, wherein the step of fixing the first and second cavity units to the frame member comprises fixing the first and second cavity units to a bottom wall of the frame member ~~has a bottom wall to which the plurality of ejector units are fixed~~ such that the ~~plurality of ejector~~ first and second cavity units extend parallel to each other.

5. (Currently Amended) The ~~ink-jet printer head~~ method according to claim + 14, wherein further comprising a step of preparing the frame member ~~has~~ having a bottom wall including a plurality of support portions which support respective back surfaces

of the ~~plurality of ejector~~ first and second channel units such that a plurality of portions of the back surface of ~~said each of the ejector unit~~ first and second channel units are exposed in a plurality of through-holes of the bottom wall, respectively, and wherein the step of fixing the first and second cavity units to the frame member comprises fixing the first and second cavity units to the bottom wall of the frame member by filling the through-holes of the bottom wall are filled with an adhesive, so as to fix said each ejector unit to the frame member.

6. (Currently Amended) The ~~ink-jet printer head method~~ according to claim 14, wherein the step of preparing the nozzle sheets comprises preparing the nozzle sheets each of the respective nozzle sheets of the plurality of ejector units which has the plurality of nozzles arranged in at least one array in the reference direction, and wherein the step of fixing the first and second cavity units to the frame member comprises fixing the plurality of ejector first and second cavity units are fixed to the frame member such that the respective arrays of nozzles of the plurality of ejector first and second cavity units are parallel to each other and distant from each other by a predetermined distance.

7. (Canceled)

8. (Currently Amended) The ~~ejector unit~~ according to claim 7 19, wherein the step of preparing the channel units comprises preparing the channel unit units each of which includes a base sheet having the ink chambers, and a plurality of channel sheets which cooperate with each other to define the ink channels and the first and second blind holes, by stacking the base sheet and the channel sheets being stacked on each other to provide a stacked body, and wherein the step of fixing said each nozzle sheet and said corresponding channel unit to each other comprises fixing the said each nozzle sheet having

the nozzles is ~~fixed~~ to the stacked body as said corresponding channel unit by inserting the two first positioning pins via the two first positioning holes of ~~the~~ said each nozzle sheet, respectively, into the two first blind holes of the stacked body, respectively.

9. (Canceled)

10. (Currently Amended) The ~~ink-jet printer head~~ method according to claim 9 ~~14~~, wherein the step of preparing the nozzle sheets comprises preparing the nozzle sheets each of which ~~the nozzle sheet of said each ejector unit~~ is elongate, and has the two first positioning holes in lengthwise opposite end portions thereof, respectively, and has the two second positioning holes in the lengthwise opposite end portions thereof, respectively, wherein one of the two first positioning holes is a circular hole and the other first positioning hole is an elongate hole, and wherein one of the two second positioning holes is a circular hole and the other second positioning hole is an elongate hole.

11. (Currently Amended) The ~~ink-jet printer head~~ method according to claim 10, wherein the step of preparing the channel units comprises preparing the channel units each of which ~~the channel unit of said each ejector unit~~ has two first relief holes ~~in communication to communicate, when said each channel unit and said corresponding one of~~ the nozzle sheets are fixed to each other, with the two first positioning holes of said corresponding nozzle sheet, respectively, and allow the two positioning pins of the first jig to enter the two first relieve holes via the two first positioning holes, respectively, and additionally has two second relief holes in communication to communicate, in a state in which said each channel unit and said corresponding nozzle sheet are fixed to each other, with the two second positioning holes of said corresponding nozzle sheet, respectively, and

allow a corresponding one pair of second positioning pins out of the first and second pairs of second positioning pins of the second jig to enter the two second relief holes via the two second positioning holes respectively, and wherein one of the two first relief holes is a circular hole and the other first relief hole is an elongate hole, and wherein one of the two second relief holes is a circular hole and the other second relief hole is an elongate hole.

12. (Currently Amended) The ~~ink-jet-printer-head~~ method according to claim 11, wherein a diameter of the circular first relief hole is greater than a diameter of the circular first positioning hole, and a diameter of the circular second relief hole is greater than a diameter of the circular second positioning hole, and wherein a width of the elongate first relief hole is greater than a width of the elongate first positioning hole, and a width of the elongate second relief hole is greater than a width of the elongate second positioning hole.

13. (Canceled)

14. (Currently Amended) A method of manufacturing an ink jet printer head including (a) a plurality of cavity units each of which has a plurality of nozzles, a plurality of ink chambers which communicate with the plurality of nozzles, respectively, and in each of which an ink is accommodated, and a plurality of ink channels communicating with the plurality of nozzles via the plurality of ink chambers, respectively, and (b) a plurality of actuators each of which applies an energy to each of the ink chambers of a corresponding one of the cavity units so as to eject a droplet of the ink from a corresponding one of the nozzles via a corresponding one of the ink channels, the method comprising the steps of:

preparing a plurality of nozzle sheets each of which has the plurality of nozzles, two first positioning holes, and two second positioning holes,

preparing a plurality of channel units each of which has the plurality of ink chambers to accommodate the ink and communicate with the plurality of nozzles, respectively, of a corresponding one of the nozzle sheets, and the plurality of ink channels to communicate with the plurality of nozzles of said corresponding nozzle sheet via the plurality of ink chambers, respectively,

causing two first positioning pins of a first jig to fit in the two first positioning holes of said each of the nozzle sheets so as to position said each nozzle sheet relative to the first jig,

fixing said each nozzle sheet positioned relative to the first jig, and a corresponding one of the channel units that is positioned relative to the first jig, to each other, so as to provide a corresponding one of the cavity units,

causing a first pair of second positioning pins of a second jig to fit in the two second positioning holes of the nozzle sheet of a first one of the cavity units, and causing a second pair of second positioning pins of the second jig to fit in the two second positioning holes of the nozzle sheet of a second one of the cavity units, so that the first and second cavity units are positioned relative to the second jig and are thereby positioned relative to each other, and

fixing the first and second cavity units positioned relative to each other, to a frame member.

15. (Original) The method according to claim 14, wherein the step of preparing the channel units comprises preparing the channel units each of which has two first relief holes to communicate, when said each channel unit and said corresponding one of the nozzle sheets are fixed to each other, with the two first positioning holes of said corresponding nozzle sheet and allow the two first positioning pins of the first jig to enter the

two first relief holes via the two first positioning holes, respectively, and additionally has two second relief holes which communicate, in a state in which said each channel unit and said corresponding nozzle sheet are fixed to each other, with the two second positioning holes of said corresponding nozzle sheet and allow a corresponding one pair of second positioning pins out of the first and second pairs of second positioning pins of the second jig to enter the two second relief holes via the two second positioning holes, respectively.

16. (Currently Amended) The method according to claim 14 15, wherein the step of preparing the channel units comprises preparing the channel units said each of which has the first and second relief holes each of which has a cross section greater than a cross section of a corresponding one of the first and second positioning holes of said corresponding one nozzle sheet, said each channel unit additionally having two third positioning holes at respective positions distant from each other in a reference direction in which the nozzles of said corresponding nozzle sheet are arranged, and wherein the step of causing the two first positioning pins of the first jig to fit in the two first positioning holes of said corresponding nozzle sheet comprises ~~causing the two first positioning pins of the first jig to fit in the two first positioning holes of said corresponding nozzle sheet so as to position said corresponding nozzle sheet relative to the first jig and simultaneously~~ causing two third positioning pins of the first jig to fit in the two third positioning holes of said each channel unit so as to position said each channel unit relative to the first jig and thereby position said each channel unit and said corresponding nozzle sheet relative to each other.

17. (New) The method according to claim 14, further comprising a step of preparing the frame member having at least one ink supply passage through which the ink is supplied from at least one ink supply source to the first and second cavity units.

18. (New) The method according to claim 14, wherein the step of preparing the nozzle sheets comprises preparing the nozzle sheets each of which has the plurality of nozzles arranged in a reference direction, and has the two first positioning holes in two end portions thereof, respectively, that are opposite to each other in the reference direction, and additionally has the two second positioning holes in the two end portions thereof, respectively.

19. (New) The method according to claim 14, wherein the step of preparing the channel units comprises preparing the channel units each of which has two first blind holes to communicate, when said each channel unit and said corresponding one of the nozzle sheets are fixed to each other, with the two first positioning holes of said corresponding nozzle sheet, respectively, and allow the two positioning pins of the first jig to enter the two first blind holes via the two first positioning holes, respectively, and additionally has two second blind holes to communicate, in a state in which said each channel unit and said corresponding nozzle sheet are fixed to each other, with the two second positioning holes of said corresponding nozzle sheet, respectively, and allow a corresponding one pair of second positioning pins out of the first and second pairs of second positioning pins of the second jig to enter the two second blind holes via the two second positioning holes, respectively.